

SHARON M. ROY

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Senior Software Engineer

Seeking a position that allows me to move into modern web and/or cloud development.

- **Technical Leadership** through the full software development lifecycle, including conception, requirement gathering and architecture definition, detailed design, modeling, implementation, delivery, and maintenance. Practiced with Agile Scrum methodology.
- **Known for having exceptional analytical and troubleshooting skills**, leveraging a broad base of knowledge across a variety of business sectors, roles, and technical skills. Experienced with large scale data migrations, conversions, legacy systems. Adept at proposing creative solutions, thinking outside the box.
- **Always learning.** Quick to grasp new tools and complex design models. Voluntarily ask to be thrown into projects involving rapid mastery of new skills. Self taught on all skills mastered. Actively taking courses on Udemy, PluralSight, MongoDB University.

Technical Tools

Skills: Software Development, Software Architecture, SDLC, Application Integration, Desktop Applications, Web Applications, Web Service Integration, Data Transformation, Technical Analysis, Technical Support, Agile Methodology, Technical Documentation, Troubleshooting, Unit Testing, TDD, Project Management, Database Administration, Workflow Automation, Conversions, Migrations

Tools and Frameworks: Visual Studio, SQL Server, Oracle, REST API, Azure DevOps, NUnit, TFS, Git, SQL SSIS, SQL SSRS, ADO.Net, ASP.Net, WebForms, SOAP API, SVN, Crystal Reports

Primary Languages: C#, VB.Net, HTML5, CSS3, T-SQL, XML, JSON, Classic ASP, C/C++, JavaScript, Pascal/Delphi, Visual Basic 5/6, Sungard OmniScript, VBScript

Limited Experience/Currently Learning: Java, MongoDB, ASP.Net Core, EF Core 3.1, ASP.Net MVC 5, Node.js, Razor, Bootstrap, React, Python, SignalR

Professional Experience

Senior Software Engineer/Project Lead, 10/2015 to 5/2020 – MHC SOFTWARE, Burnsville, MN

Principle software engineer, leading major efforts to modernize legacy client-server, web, and batch job applications. Initial focus on WinForm desktop applications, then shifted to web and Windows services and utilities for ERP data ETL and transactional automation. Assisted in AWS cloud migrations, primarily lift and shift.

Worked with business and IT management to analyze, design, and develop clean, scalable solutions utilizing the Microsoft .Net technology platform, including C#, VB.Net, ADO.Net, ASP.Net, .Net Core, SQL Server, Oracle, EF, TFS, Azure DevOps. Demonstrated strong understanding of end-to-end SDLC stages and methodologies.

Good understanding of SOAP and RESTful web services and design patterns. Extensive experience consuming web services and working with XML and JSON.

Expertise in the programmatic drawing and rendering of custom business forms and documents, in distributed high-volume batch printing solutions, in document storage/archival techniques, and in document file format conversions.

Utilized advanced SQL database development experience: relational data modeling, SSIS, SSRS, stored procedures, functions, triggers, along with writing, debugging and tuning complex T-SQL queries.

Mentored and provided technical guidance on best practices and proven techniques for less-experienced developers. Participated and led collaborative discussions on current and future projects. Conducted technical reviews. Able to work with minimal supervision, and as a member of a team.

Information Engineer/.Net Developer Lead, 3/2015 – 10/2015– TRAVELERS INSURANCE, Saint Paul, MN

.Net Development and technical lead on the Bond and Financial Products Document Services team, which supports several of the shared services for all Bond policy processing applications.

Worked across departments to support shared components of the enterprise system related to document management and archives. Assisted business analysts in formulating specifications, and with project leads to establish estimates and schedules.

Worked in an Agile environment to create VB.Net and C# application code, unit tests, and project documentation following established standards. Provided technical and analytical support as needed.

Enterprise Application Integration Engineer II, 9/2011 – 3/2015– DELUXE CORPORATION, Shoreview, MN

Assigned to provide both development and technical support assistance to a custom printing subsidiary held by Deluxe. Assisted with security and application migration across domains for SQL databases and business application software.

Led projects to upgrade and enhance software for custom print order management, inventory control, and online marketing campaign services. Conducted training and mentoring for development interns and other IT team members, as needed.

Created Windows service and utility applications, SSIS ETL packages, and many internal and customer-facing business and management reports using SSRS, Crystal Reports.

Senior Programmer, Technical Analyst, 6/2003- 9/2011– ALERUS FINANCIAL, St. Paul, MN

Participated in projects in a variety of capacities, including: project manager, technical analyst, lead developer, and tester. Learned SQL database administration, advanced T-SQL, and ASP.Net web development while creating a data warehouse and reporting system, a public single sign-on and multi-factor authentication portal, and several other internal and customer facing web and desktop applications.

Performed duties of IT Support Specialist, spending a portion of my time on help desk and overnight/weekend support rotations for all banking systems. Senior technical business analyst for Alerus Retirement Solutions. System support specialist and principle OmniScript programmer for Sungard OmniPlus Retirement Recordkeeping system.

Senior Macintosh Software Engineer, 11/1996- 7/2002 – AATRIX SOFTWARE, Grand Forks, ND

Nearly 6 years participating and then leading in all phases of SDLC for a commercial small business accounting software package called Mac P&L. Responsible for three major and eight minor upgrades of the software, including a major upgrade for platform migration from Mac OS Classic to Mac OS X, and a database engine replacement. Primary languages used for MacOS development were Pascal and C/C++.

Developed database utilities for customer upgrades, conversions, and data migrations. Performed in-house database repairs and modifications for customers. Assisted support staff with technical documentation and support processes.

More history by request (1989 – 1995)

Education**University of North Dakota, Grand Forks, North Dakota, 8/2002 - 5/2003**

- Thirteen credits completed towards Master's degree in Computer Science. GPA 3.5
- Concentration of studies on Software Engineering and Database Management Systems

University of North Dakota, Grand Forks, North Dakota, 1993-1995

- 1995 BS in Computer Science, Minor in Mathematics. Other major concentration: Physics. GPA 3.55
- Special Projects and Interests: Artificial Intelligence, Expert Systems, Operations Research

Louisiana State University, Shreveport, Louisiana, 1992-1993

- Concentration of studies in Computer Science. Dean's List, Fall 1992

Trenton State College, Trenton, New Jersey, 1981-1984

- Concentration of studies in Physics, Mathematics, Computer Science